

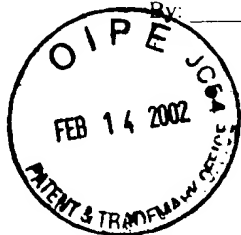
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on January 28, 2002.

1762  
**PATENT**

Atty. Docket No. DX0261K1Q

CN 028008



By: Jeffrey Gillis

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Maria-Grazia RONCAROLO, et al.

Serial No.: 09/718,102

Filed: 11/20/00

For: USE OF INTERLEUKIN-10 TO  
PRODUCE A POPULATION OF  
SUPPRESSOR CELLS

Examiner: not yet assigned

Art Unit: 1762

**INFORMATION DISCLOSURE  
STATEMENT**

Palo Alto, California 94304

January 28, 2002

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The materials as listed in the attached modified PTO 1449 form are brought to the Examiner's attention pursuant to the duty of disclosure under 37 C.F.R. § 1.56, § 1.97, and § 1.98.

Copies of all references except references AI and BD, have been included in the Information Disclosure Statement for one parent file, U.S.S.N. 08/643,810, filed May 6, 1996, Attorney Docket No. DX0261K1, and should be available there.

Copies of newly cited references AI and BD are attached hereto.

Citation of these documents should not be construed as a representation that the documents are in fact material or are in fact prior art with respect to the instant invention. The Examiner should not make any inference relating to the relative pertinence of cited references based upon the order in which the art is presented. Citation of these documents should not be construed as a representation that a search has been made or that more pertinent art may not be in existence.

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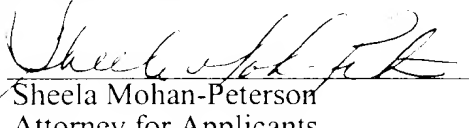
Applicants request that the Examiner fully consider the art cited in the attached modified PTO 1449 form. Applicants further request that the Patent and Trademark Office list all such art on the front of any patent issuing from this application.

Since this Information Disclosure Statement is being filed before receiving the first Office action, applicants believe no fee is required for filing this document; however, if such a fee is required the Commissioner is hereby authorized to charge DNAX Research Institute's Deposit Account No. 04-1239.

Respectfully submitted,

January 28, 2002

By:

  
Sheela Mohan-Peterson  
Attorney for Applicants  
Reg. No. 41,201

Enclosures:      Modified PTO 1449 form (4 pages)  
                         References AI and BD (2 refs.)

FORM PTO-449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.: <b>DX0261K1Q</b>	SERIAL NO.: <b>09/718,102</b>
INFORMATION DISCLOSURE STATEMENT FOR PATENT		APPLICANT: <b>Maria-Grazia RONCAROLO, et al.</b>	
(Use several sheets if necessary)		FILING DATE: <b>11/20/00</b>	GROUP: <b>1762</b>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

COPY OF PAPERS  
ORIGINALLY FILED

BG	David F. Fiorentino, et al., <u>J. Exp. Med.</u> 170:2081-2095, December 1989. "Two Types of Mouse T Helper Cell: IV. Th2 Clones Secrete a Factor that Inhibits Cytokine Production by Th1 Clones"
BH	David F. Fiorentino, et al., <u>J. Immunol.</u> 146:3444-3451, May 1991. "IL-10 Acts on the Antigen-Presenting Cell to Inhibit Cytokine Production by Th1 Cells"
BI	Stephen J. Forman, et al., <u>Bone Marrow Transplantation</u> , Blackwell Scientific Publications, Cambridge, MA, Chapter 4, verso and pp. 37-38, 1994.
BJ	James D. Fraser, et al., <u>Immunol. Today</u> 14:357-362, 1993. "Signal Transduction Events Leading to T-Cell Lymphokine Gene Expression"
BK	Arnold S. Freedman, et al., <u>J. Immunol.</u> 139:3260-3267, November 1987. "B7, a B Cell-Restricted Antigen that Identifies Preactivated B Cells"
BL	Ricardo T. Gazzinelli, et al., <u>J. Immunol.</u> 148:1792-1796, 1992. "IL-10 Inhibits Parasite Killing and Nitrogen Oxide Production by IFN-g-Activated Macrophages"
BM	Ning Fei Go, et al., <u>J. Exp. Med.</u> 172:1625-1631, December 1990. "Interleukin 10, a Novel B Cell Stimulatory Factor: Unresponsiveness of X Chromosome-Linked Immunodeficiency B Cells"
BN	Hervé Groux, et al., <u>J. Exp. Med.</u> 184:19-29, July 1996. "Interleukin-10 Induces a Long-Term Antigen-Specific Anergic State in Human CD4+ T Cells"
BO	Clifford V. Harding, et al., <u>Proc. Natl. Acad. Sci.</u> 87:5553-5557, July 1990. "Functional and Ultrastructural Evidence for Intracellular Formation of Major Histocompatibility Complex Class II-Peptide Complexes during Antigen Processing"
BP	Chyi-Song Hsieh, et al., <u>Science</u> 260:547-549, April 1993. "Development of Th1 CD4+ T Cells through IL-12 Produced by <i>Listeria</i> -Induced Macrophages"
BQ	Di-Hwei Hsu, et al., <u>Science</u> , 250:830-832, Nov. 1990. "Expression of Interleukin-10 Activity by Epstein-Barr Virus Protein BCRF1"
BR	Marc K. Jenkins, <u>Immunol. Today</u> 13:69-73, 1992. "The Role of Cell Division in the Induction of Clonal Anergy"
BS	Marc Jenkins, et al., <u>J. Immunol.</u> 144:16-22, January 1, 1990. "Inhibition of Antigen-Specific Proliferation of Type 1 Murine T Cell Clones after Stimulation with Immobilized Anti-CD3 Monoclonal Antibody"
BT	Sang-Mo Kang, et al., <u>Science</u> 257:1134-1138, August 21, 1992. "Transactivation by AP-1 Is a Molecular Target of T Cell Clonal Anergy"
BU	Jonathan R. Lamb, et al., <u>J. Exp. Med.</u> 157:1434-1447, May 1983. "Induction of Tolerance in Influenza Virus-Immune T Lymphocyte Clones with Synthetic Peptides of Influenza Hemagglutinin"
BV	Wei Li, et al., <u>Science</u> 271:1272-1276, March 1, 1996. "Blocked Signal Transduction to the ERK and JNK Protein Kinases in Anergic CD4+ T Cells"
BW	Steven E. Macatonia, et al., "Differential Effect of IL-10 on Dendritic Cell-Induced T Cell Proliferation and IFN- $\gamma$ Production" <u>J. Immunol.</u> 150:3755-3765, May 1, 1993.
BX	Keven W. Moore, et al., <u>Science</u> 248:1230-1234, June 1990. "Homology of Cytokine Synthesis Inhibitory Factor (IL-10) to the Epstein-Barr Virus Gene BCRF1"
BY	Hiroaki Niino, et al., <u>Intl. Immunol.</u> 6:661-664, 1994. "IL-10 Inhibits Prostaglandin E2 Production by Lypopolysaccharide-Stimulated Monocytes"
BZ	William E. Paul, ed., <u>Fundamental Immunology</u> , 2nd ed., Raven Press, NY, title page, verso, Chapter 1 pp. 15-16, 1989.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: <b>DX0261K1Q</b>	SERIAL NO.: <b>09/718,102</b>
INFORMATION DISCLOSURE STATEMENT FOR PATENT (Use several sheets if necessary)				APPLICANT <b>Maria-Grazia RONCAROLO, et al.</b>	
				FILING DATE: <b>11/20/00</b>	GROUP: <b>1762</b>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
		Ligia M. T. Peçanha, et al., <u>J. Immunol.</u> 150:3215-3233, April 15, 1993. "IL-10 Inhibits T Cell-Independent but Not T Cell-Dependent Responses in Vitro"			
COPY OF PAPERS ORIGINALLY FILED	CB	Josette Péguet-Navarro, et al., <u>Er. J. Immunol.</u> 24:884-891, 1994. "Interleukin-10 Inhibits the Primary Allogenic T Cell Response to Human Epidermal Langerhans Cells"			
	CC	Fred Ramsdell, et al., <u>Science</u> 257:1130-1134, August 21, 1994. "Maintenance of in Vivo Tolerance by Persistence of Antigen"			
	CD	Han-Jurgen Rode, et al., <u>Virus Genes</u> 7:111-116, 1993. "The Genome of Equine Herpesvirus Type 2 Harbors an Interleukin 10 (IL-10)-Like Gene"			
	CE	Maria-Grazia Roncarolo, et al., <u>Bone Marrow Transplantation: Proceedings of Fetal and Neonatal Cell Transplantation and Retroviral Gene Therapy</u> , Vol. 9, Supp. 1:127-128, 1992. "T Cell Repertoire and Tolerance After Fetal Stem Cell Transplantation"			
	CF	Maria-Grazia Roncarolo, et al., <u>Journal of Cellular Biochemistry</u> , supp. 16A:214, 1992. "SCID Patients Reconstituted by Fetal Liver Stem Cells: Possible Role of IL-10 in Transplantation Tolerance"			
	CG	Maria Grazia Roncarolo, et al., <u>J. Exp. Med.</u> 167:1523-1534, May 1988. "Alloreactive T Cell Clones Specific for Class I and Class II HLA Antigens Isoated from a Human Chimera"			
	CH	Ronald H. Schwartz, <u>Science</u> 248:1349-1356, June 15, 1990. "A Cell Culture Model for T Lymphocyte Clonal Anergy"			
	CI	Hergen Spits, et al., <u>Int. Arch. Allergy Immunol.</u> 99:8-15, 1992. "Functional Characterization of Human IL-10"			
	CJ	Gen Suzuki, et al., <u>Int'l. Immunol.</u> 7:37-43, 1995. "Impaired CD-28-Mediated Co-Stimulation in Anergic T Cells"			
	CK	Kazuyuki Taga, et al., <u>Blood</u> 81:2964-2971, June 1, 1993. "Human Interleukin-10 Can Directly Inhibit T-Cell Growth"			
	CL	Shingo Takanaski, et al., <u>J. Exp. Med.</u> 180:711-715, August 1994. "Interleukin 10 Inhibits Lipopolysaccharide-Induced Survival and Cytokine Production by Human Peripheral Blood Eosinophils"			
	CM	Bart A. E. Vandekerckhove, et al., <u>J. Exp. Med.</u> 175:1033-1043, April 1992. "Human Hematopoietic Cells and Thymic Epithelial Cells Induce Tolerance via Different Mechanisms in the SCID-hu Mouse Thymus"			
	CN	P. Vieira, et al., <u>Proc. Natl. Acad. Sci.</u> 88:1172-1176, Feb. 1991. "Isolation and Expression of Human Cytokine Synthesis Inhibitory Factor cDNA Clones: Homology to Epstein-Barr Virus Open reading Frame BCRF1"			
	CO	R. Weimer, et al. <u>Transplantation</u> , 62(11):1606-1614, 1996. "Pretransplant CD4 Helper Function and Interleukin 10 Response Predict Risk of Acute Kidney Graft Rejection"			
	CP	Fabienne Williams, et al., <u>Eur. J. Immunol.</u> 24:1007-1009, 1994. "Interleukin-10 Inhibits B7 and Intercellular Adhesion Molecule-1 Expression on Human Monocytes"			
	CQ	Hans Yssel, et al., <u>J. Immunol.</u> 149:2378-2384, October 1, 1992. "IL-10 Is Produced by Subsets of Human CD4+ T Cell Clones and Peripheral Blood T Cells"			
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